

## PATENT ABSTRACTS OF JAPAN

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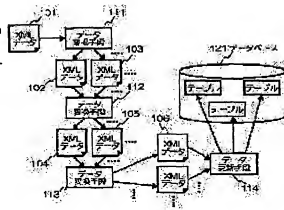
(72)Inventor : NAKAMURA HIDEO

## (54) DEVICE AND METHOD FOR STORING DATA

## (57)Abstract:

PROBLEM TO BE SOLVED: To store an XML document, including a nesting structure, a repetitive, or a recursive structure of elements (tags) in 23 layers, in a table type database.

SOLUTION: This data storage device which converts XML data 101 into table type data and stores them in the database 121 is equipped with a data converting means 111 which finds and separates an internal repetition structure included in the XML data under a new root element, a data converting means 112 which converts a recursive tag structure in the XML data into a repetition structure, a data converting means 113 which converts low-order elements included in a multi-layered nesting structure in the XML data into high-order elements, and a data updating means 114 which stores the converted into elements divisionally in tables corresponding to respective new root elements.



## LEGAL STATUS

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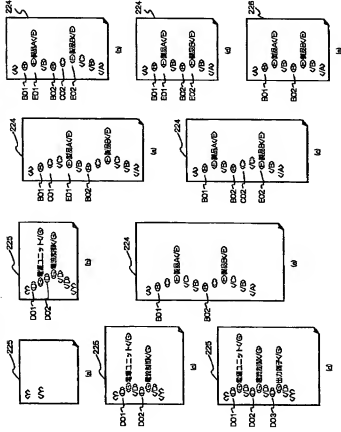




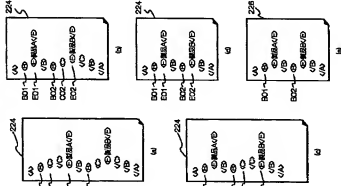




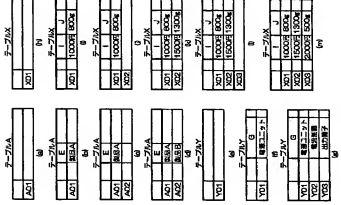
【図9】



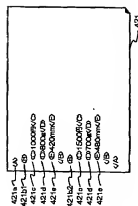
【図10】



【図11】



【図19】



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特許 (参考)

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